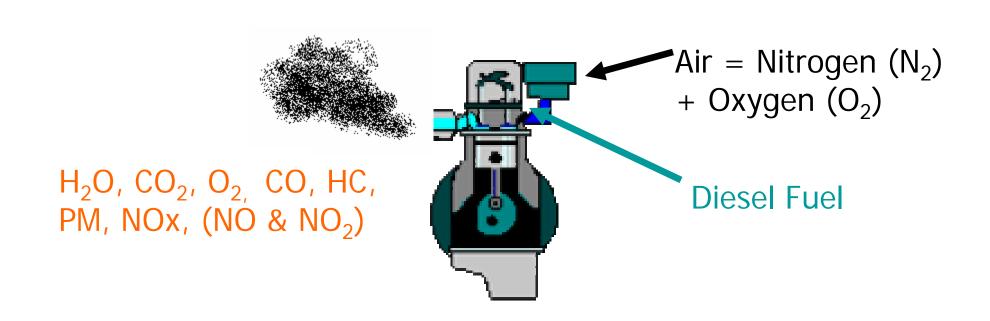
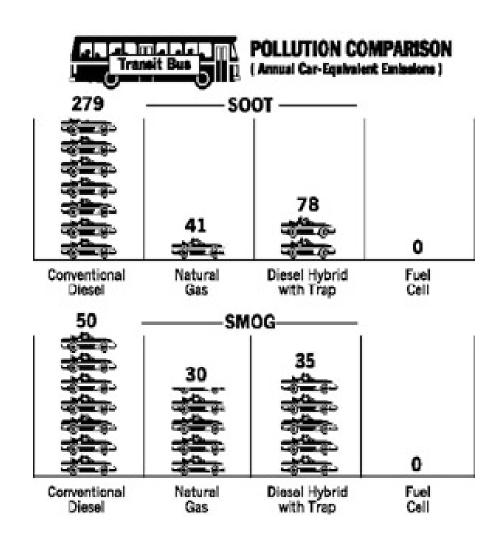




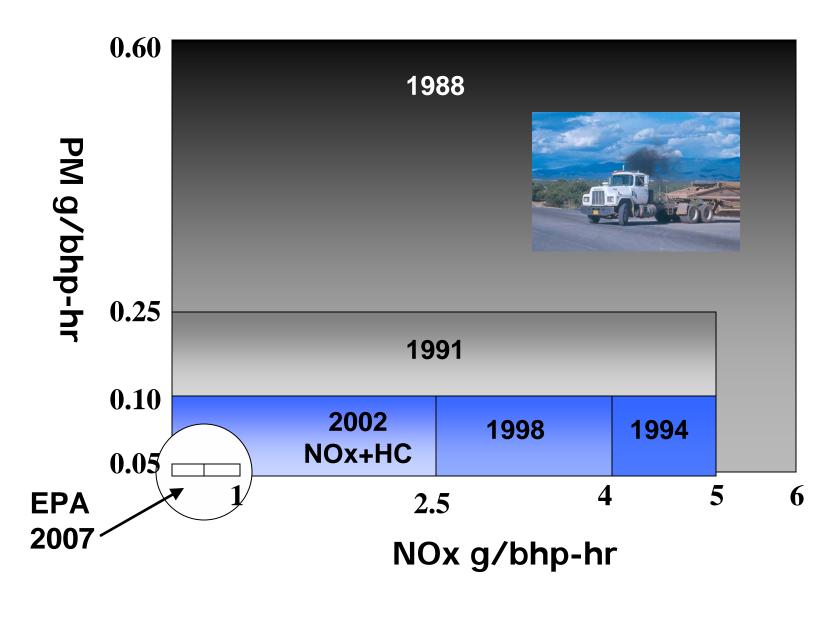
Diesel Engines & Emissions



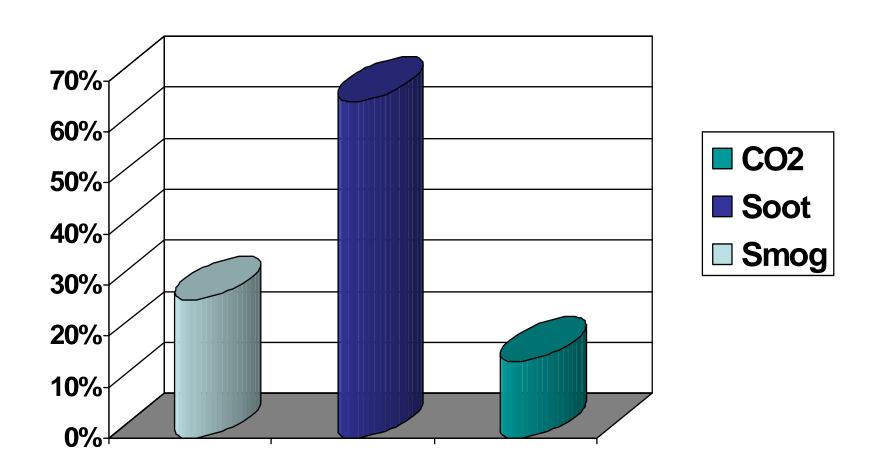
This is the number of cars that it would take to equal one <u>dump</u> <u>truck</u>



U.S. Air Pollution Limits



Pollution from Diesel Exhaust

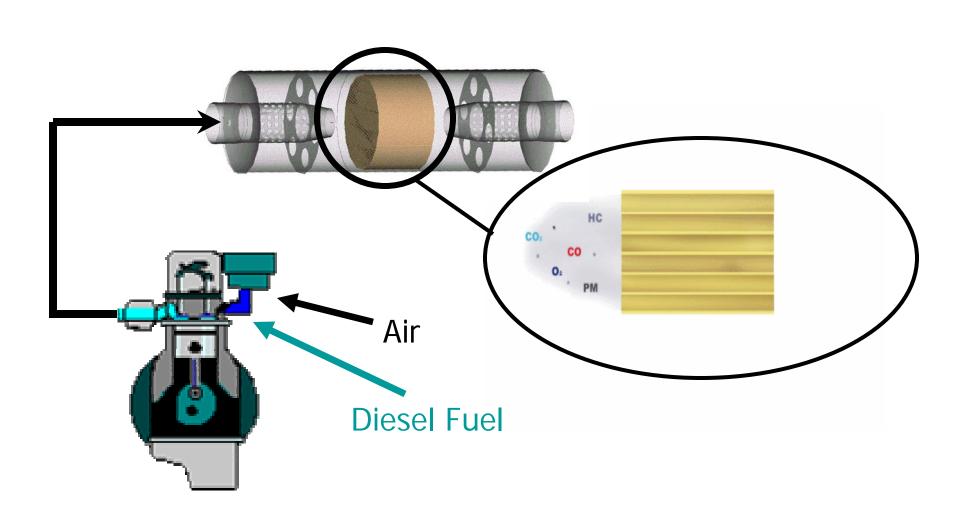


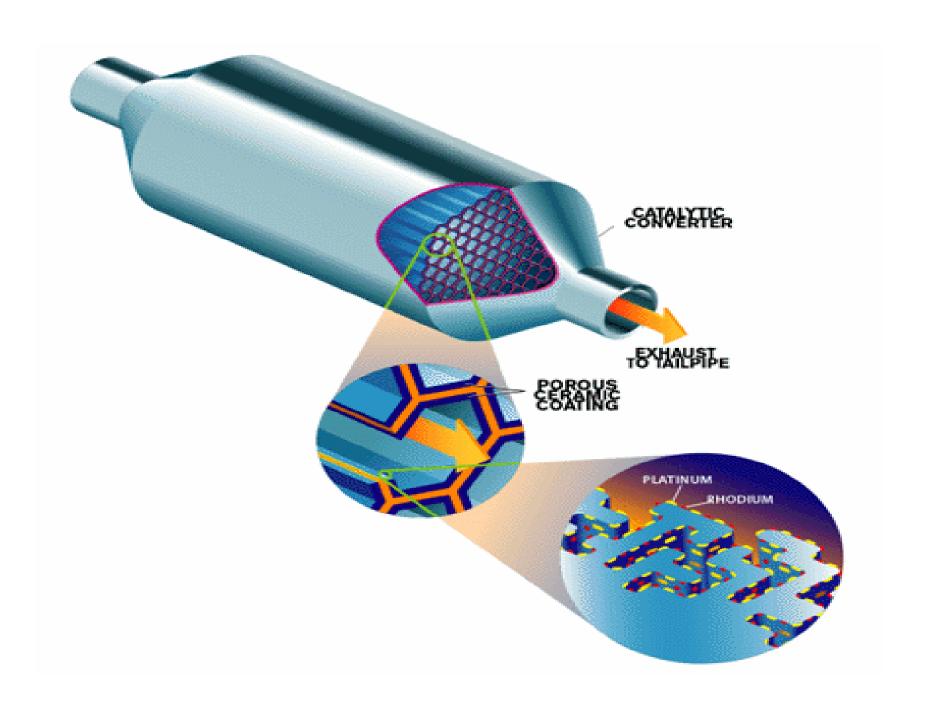
How, exactly, does a catalyst reduce emissions?

Reactions which occur spontaneously at a given temperature

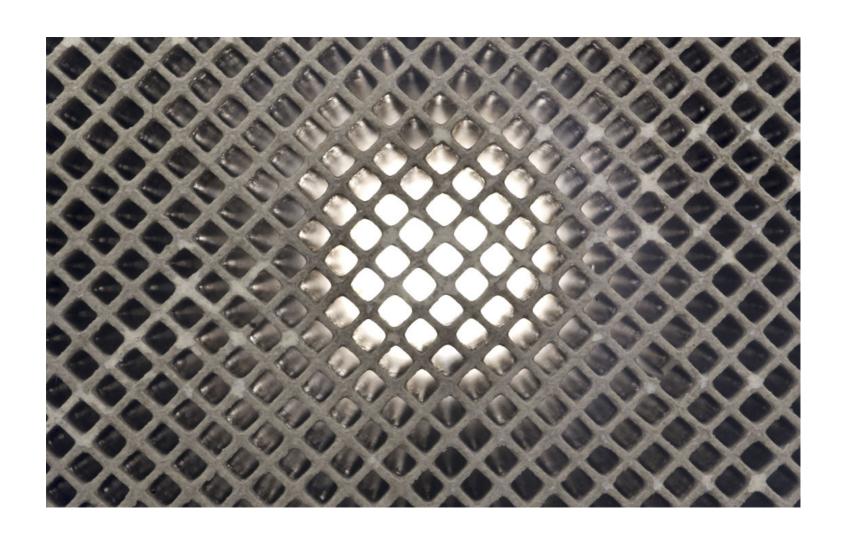
Oxidation Reaction in Diesel

Diesel Oxidation Catalyst (DOC) at Work

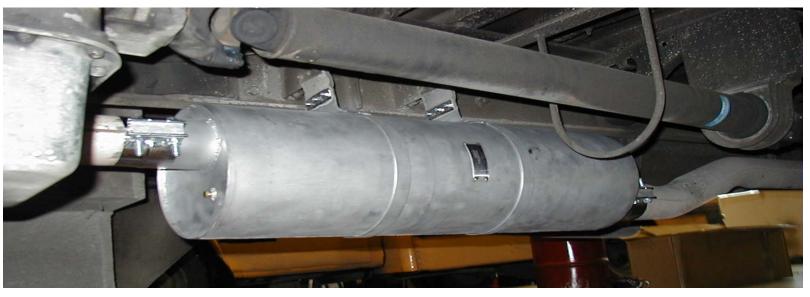




Diesel Oxidation Catalyst





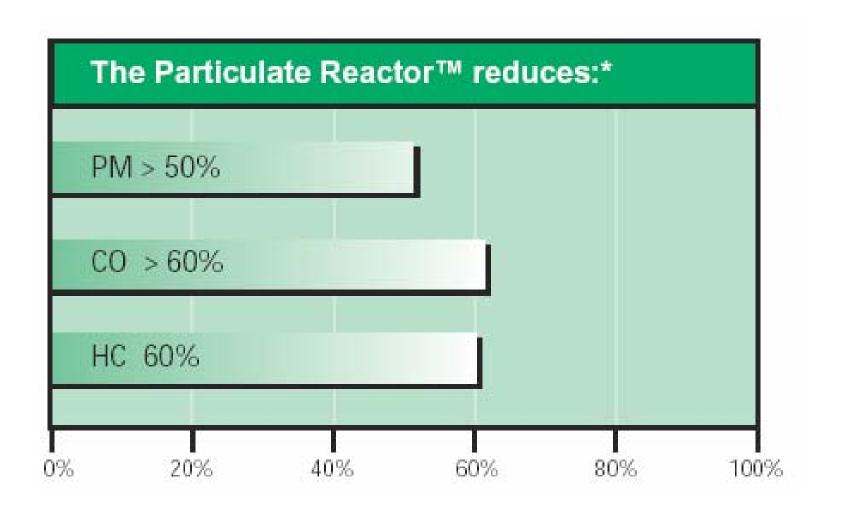


HP Diesel Oxidation Catalyst

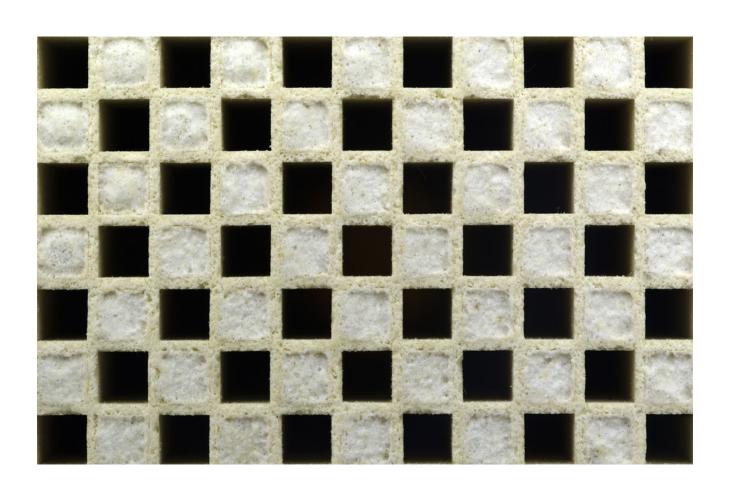




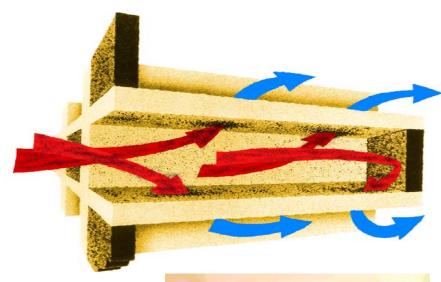




Diesel Particulate Filter



Diesel Particulate Filters for high PM, CO & HC reduction

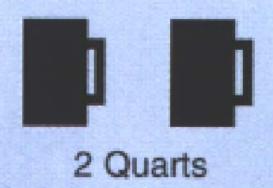


- Wall Flow Structure
- Reduces HC & CO by 80% to 95%
- Reduces PM by 85%
- Duty cycle dependent
 - >300°C 30%
- Fuel specific
 - <50 ppm Sulfur</p>



During 500,000 miles of operation, oil drop will be:

Wire Mesh Breather Systems



Enviroguard™ OCV System



6 Tablespoons

